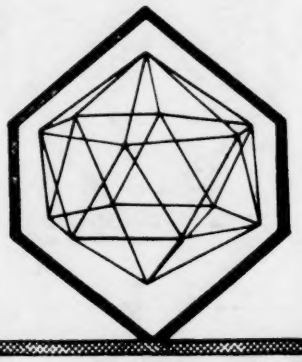

POLYHEDRON

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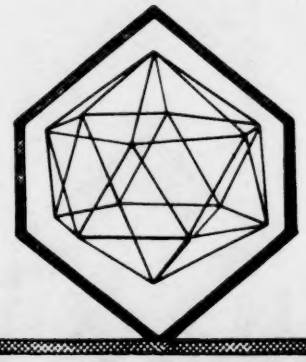

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HOMOPOLYATOMIC AND RELATED SILICON, GERMANIUM AND TIN CHEMISTRY

Guest Editor: Mark J. Hampden-Smith

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B. J. Aylett — 1593 — Gmelin Handbook of Inorganic Chemistry (8th edn); Silicon, Supplement Volume B 4, Silicon–Nitrogen Compounds. By P. Eigen, H. Keller-Rudek, W. Kurtz, P. Merlet, H. Schäfer and F. Schröder

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P. C. Andrews, D. R. Baker, **R. E. Mulvey,** W. Clegg and P. A. O'Neil — 1839 — Isostructural potassium and sodium di-nitrogen functionalized amides: syntheses and crystal structures of [Ph(2-Pyr)NK·TMEDA]$_2$ and [Me(2-Pyr)NNa·TMEDA]$_2$

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G. B. Kauffman — 1843 — Nomenclature of Inorganic Chemistry: Recommendations 1990. International Union of Pure and Applied Chemistry. Edited by G. J. Leigh

S. Cotton — 1844 — Advances in Metal Carbene Chemistry. Edited by U. Schubert

S. Cotton — 1844 — Gmelin Handbook of Inorganic Chemistry. Fe–Organoiron compounds, Part A9—Ferrocene 9. By M. Drössmar-Wolf

S. Cotton — 1845 — Gmelin Handbook of Inorganic Chemistry. Tungsten. Supplement Volume A5a, Electrochemistry. By G. Bär, D. Gras, V. Haase and G. Hönes

S. Cotton — 1845 — Organometallic Radical Processes (Journal of Organometallic Chemistry Library 22). Edited by W. C. Trogler

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B. S. Kalirai, J.-D. Foulon, **T. A. Hamor, C. J. Jones,** P. D. Beer and S. P. Fricker — 1847 — Some substitution reactions of ligands coordinated to the bis(cyclopentadienyl)titanium moiety, the X-ray crystal structure of Ti(η^5-C_5H_5)$_2$(OPh)$_2$ and an assessment of the anti-tumour activity of some cyclopentadienyl titanium compounds

A. J. Deeming, S. Doherty and J. E. Marshall — 1857 — Rotational isomerism in octahedral d^6-iridium(III) complexes *trans,mer*-[IrCl$_2$(PMe$_3$)$_3$L]$^+$ where L = PMe$_3$, PMe$_2$Ph or PMePh$_2$; X-ray crystal structure of [IrCl$_2$(PMe$_3$)$_3$(PMe$_2$Ph)] ClO$_4$·CH$_2$Cl$_2$

L. Spiccia — 1865 — Early stages of the hydrolysis of chromium(III) in aqueous solution—7. Kinetics of cleavage of the hydrolytic dimer in acidic solution

A. H. Klahn, C. Leiva, K. Mossert and Xiaoheng Zhang — 1873 — Neutral phosphine and phosphite derivatives of the fragment (η^5-C_5Me_5)Re(CO)$_2$ and the cationic *cis*-[(η^5-C_5Me_5)Re(CO)$_2$ {P(OPh)$_3$}I]$^+$ complex

G. C. Saunders — 1877 — The effect of sodium cations on the molecular dynamics of N-acetylaza-15-crown-5

E. C. Constable, J. Healy and **M. G. B. Drew** — 1883 — The crystal and molecular structure of bis(2,2′:6′,2″-terpyridine) magnesium perchlorate monohydrate

Yan Shiping, **Wang Genglin,** Wang Honggen and Yao Xinkan — 1889 — Crystal structure of the complex of dibenzo-30-crown-10 with gadolinium isothiocyanate

Gao Yici, Wang Yaoyu, Zhu Ying and Shi Qizhen — 1893 — Crystal structure of bis(α-methacrylato)-2,2′-bipyridine-monohydrate copper(II)

D. A. Atwood, **R. A. Jones, A. H. Cowley,** S. G. Bott and **J. L. Atwood** 1897 Primary amido and amine adduct complexes of gallium: synthesis and structures of $[t\text{-}Bu_2Ga(\mu\text{-}NHPh)]_2$ and $t\text{-}Bu_3Ga{\cdot}NH_2Ph$

A. Igau and **J. A. Gladysz** 1903 Synthesis and chemistry of secondary alkyl iodide complexes of the formula $[(\eta^5\text{-}C_5H_5)Re(NO)(PPh_3)(ICHRR')]^+BF_4^-$

F. Lelj, G. Morelli, G. Ricciardi, M. Romanelli, A. Rosa and M. F. Ottaviani 1911 [Copper(II)-aryltetraazannulene]I_x complexes as conductive materials. Solid state synthesis and characterization

J. Legendziewicz, G. Oczko and G. Meyer 1921 Spectroscopy studies of lanthanide trichloroacetate single crystals

M. E. Bodini and V. Arancibia 1929 Redox chemistry of 1,4-dihydroxy-9,10-anthraquinone (Quinizarine) and its manganese(II) complexes in dimethylsulphoxide

S. Attar, **J. H. Nelson,** W. H. Bearden, N. W. Alcock, L. Solujic' and E. B. Milosavljevic' 1939 Phosphole complexes of gold(III) halides: synthesis, structure, electrochemistry and ligand redistribution reactions

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R. C. Matthews, **D. Parker,** G. Ferguson, B. Kaitner, A. Harrison and L. Royle 1951 Synthesis and structure of stable indium and gallium complexes of (*R*)-1,4,7-tris(2′-methylcarboxymethyl)-triazacyclononane

B. F. G. Johnson, L. Heuer, J. Lewis and C. N. Kenney 1955 A new route to the phosphine-substituted clusters $[Os_3(CO)_{11}(PH_3)]$ and $[HM_3(CO)_{10}(\mu_2\text{-}PH_2)]$ (M = Ru,OR,Os)

W. Clegg, **R. J. Errington,** D. C. R. Hockless and C. Redshaw 1959 A mononuclear tert-butylimido complex of niobium(V). X-ray crystal structure of $[Ph_3PCH_2Ph][Nb(NBu^t)Cl_4(py)]{\cdot}CH_2Cl_2$

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G. P. M. van Mier 1963 Gmelin Handbook of Inorganic Chemistry. Pg–Organolead Compounds, Part 2

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R. C. Mehrotra and A. K. Rai 1967 Aluminium alkoxides, β-diketonates and carboxylates

POLYHEDRON REPORT NUMBER 39

R. S. Dickson 1995 Alkyne rotation on a Rh—Rh bond: an entry to diverse chemistry

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A. Escuer, J. Ribas, **R. Vicente,** C. Faulmann, D. de Montauzon and P. Cassoux 2025 Pentacoordinate nickel(II) complexes with one 1,1-dithio and one macrocyclic ligand. Electro-oxidation to nickel(III) in solution

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S. Cotton	2083	Bonding and Structure (Structural Principles in Inorganic and Organic Chemistry). By N. W. Alcock
S. Cotton	2084	Organometallics in Organic Synthesis 2. Edited by H. Werner and G. Erker
S. Cotton	2084	Gmelin Handbook of Inorganic Chemistry. Tungsten. Supplement Volume A3, Physical Properties (continued)
S. Cotton	2085	The Chemistry of Metal Cluster Complexes. Edited by D. F. Shriver, H. D. Kaesz and R. D. Adams
S. Cotton	2086	Ultrasound in Synthesis (Reactivity and Structure: Concepts in Organic Chemistry, Volume 27). S. V. Ley and C. M. R. Low
S. Cotton	2086	Gmelin Handbook of Inorganic Chemistry. Manganese D7 (Coordination Compounds)
S. Cotton	2086	Gmelin Handbook of Inorganic Chemistry. Organoiron Compounds, Part B17

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